#### TO RETAIN MOISTURE RAISING CROPS ON SOD LAND

Question of Conservation is of Prime Importance.

Cultivation Not Only Alda by Preventing Evaporation But Also Keeps Broken Surface That Catches Snow and Rain.

sons, a twelve-inch rainfall would not be harrowed at first. bushed crop if there were not some best first crops for the sod land. The moisture already in the ground. Du- sod is prepared the same as for corn. ring the hot and windy days of sum- The flax may then be drilled in with mer evaporation might amount to a press, single disk drill using from price, why are not the egg laying breeds three inches or more in a week, if no 25 to 35 pounds of seed according to the ones to keep! says a writer in the means were used to prevent it. At quality Usually fiar should be plant Pontiry Journal, this rate the whole year's precipita- ed about the middle of May. tion might be lost in a month or two. At the very best, some of the soil at altitudes below 5,500 feet. It is mointure is bound to be lost through planted in drills six to eight tuches evaporation, a rainfall of, say, twenty spart in the row. If the corn inches, during the year does not guar. Planter is not provided with proper antes that the crop will have that plates blank plates furnished with the amount upon which to grow. Plow, planter may be used by drilling holes. harrow, and pack as we may, the air properly sized and spaced will pick up a good deal of the mots of the precipitation escapes. The or stopped. question, then, of conservation of soil moisture is of prime importance.

cipitation that reaches the soil in one thing. Where mile does well broom

in Normal Seasons, Flax is One of Bast First Crops-Corn Will Make Fair Vields Ordinarity.

thy ALVIN REYSER, Colorado Agricul-Not all crops do well upon such a seed bed as sed fand. Corn if a variety adapted to the locality, will make fair pields in ordinary seasons. The disk planter is better than the above planter, as it easily penetrates the soil. Thus it plants the seed in moist Agricultural college men tell us that soll at a uniform depth. The corn is It takes 45 tons of water to grow a best planted in drills 18 to 23 inches bushel of wheat. Thirty bushels will upart in the row and three and oneuse twelve fuches in depth over an half feet between the rows. Sod corn acre of land. For very obvious ren | needs little further cultivation. It may

be enough mulature to mature a 36. In normal seasons, flux is one of the

Mile is a good reed crop for sod land

For fodder, cane and Kaffir do well. ture that falls. When this work is They are planted with the grain drill. done poorly, a much larger percentage | The holes not wanted must be covered

Stock melons and other melons grow well as sod crops. When pro-Practical conservation of the pre- perly handled, potatoes will do some-



Leghorns Mature Quickly, Are Excellent Foragers, and Are the Best Layers.

If eggs are easier and cheaper to produce than meat and bring a better

The Leghorns mature quickly, are



A Grand Male Bird, Leghorn.

good foragers, and are the best of layers-the pullets often laying when five months old. They stand confinement well [5] winter. Owing to their great activity, they are not so likely to have indeesuon and bowel troubles as the larger breeds. As the Leghorns are not so heavily feathered, they are more easily kept free from lice.

Now that we can hatch and raise chicks with incubators and brooders, is it not the proper thing to have the "egg machines," or the laying breeds, plso?

There are some noted strains of Plymouth Rocks and White Wyandoltes that are heavy layers strains built up by patient and painstaking work in selection and breeding from the best layers, so that they lay almost or quite as well as the leghorns.

The farmer has not the time to trapnest his hens and to secure his best inyers. And what is the need of it, when it is just an natural for the Leghorn to lay as It is for the Jersey cow to give us cream?

One hundred Leghorns can be kept on the feed and in the same amount of space required for 75 Plymouth Rocks, and I am sure the Leghorns

breed. After experimenting with sev- about 10 per cent better hatch. Suberal breeds, the Leghorns are my merging the eggs did not seem to inchoice, and I have told why.

Little Device for Carrying Eggs May Be Made out of Ordinary Lath Nailed Together.

Here is a device for carrying eggs where they are delivered to customers in the city, writes A. J. Magee in the Parm and Fireside. It is made of ordinary plastering lath planed smooth and nailed together with small nails. Two strips are nailed together in Vshape for each corner. The bottom is made of thin board nalled to narrow strips on the inside of each side. The able piece of wood as a handle. The carrier can be made to hold may numball is made of heavy wire with a sult-



Carries Eggs to Market.

(Cartons hold one dozen each.) Pile the cartons up and measure them to get the inside measurements of the earrier. I have one holding 30 dozen and another holding 24 dozon,

Winter Feed for Poultry.

winter feeds for poultry is cabbage, oggs per hen each year. Elven though there be an abundance of other green vegetable matter, I for poultry to the winter is much should still strive to add some cab more pressing than in summer. bage to the list. It is true that there is nothing quite so good for the beris coal oil, using a broad paint brush, as a growing crop, such as rye, over and pour a little into any cracks which they can range and thus com- about the ends of perches. bine exercise with food getting, and every effort should be made to provide coal makes where the hone may dust it, but often space is too limited for themselves and there is little danger such crops and dependence must be of body lice in a clean house. had altogether on substitutes that can be stored away.

Look After Growing Chicks, The welfare of chickens must be looked after during the growing per kerciume in it where the hens have ried, as no amount of pumpering and to walk through it in entering their potting at maturity will compensate night quarters, and mites are not apt for neglect then. to give trouble.

GUINEA MEAT IS DELICIOUS

When Matured Bird Connot Be Excalled by Any Chicken for a Pol Roset or Pie.

You have heard of guinea fowl, but did you ever taste cha? If you like the delictour flavor of wild game, especially the prairie chicken, you are sure to enjoy a most of guines fowl. When young the guinea is more lender and more jules than the prairie chicken, and is the superior to any

other bird as a broller or a fry, When matured they cannot be excelled by any chicken for a pot roast or pla-FAVORITE BREED FOR EGGS That flesh to rather dark, but fine grained and very tender, with an exquisits gamey flavor. The eggs, while rather small, have a rich taste that most persons like. There is an everincreasing demand for guineas in the larger cities for restaurant trade.

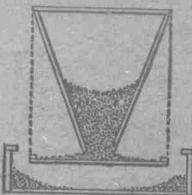
There's profit in raising them. Guinean are not no serviceable as hens when raised in close confinement, but if allowed the run of the farm they will practically raise themselves, with hardly any expense to their owners, and will return a profit in both eggs and ment. The gulnes is naturally a wild bird, and will usually range in the wildest part of the country, so that it is usually difficult to find its nest, if guines and turkey eggs are set at about the same time, and the young divided into flocks, half guineas and half turkeys, when given to the brood bee, the guiness will remain with the other birds and will not be nearly so wild as when kept alone.

The feed for young guineas may be the same as for young turkeys. After three weeks they may be put on free range, feeding three times a day, with plenty of fresh water. They do not eratch like other fowls, and therefore are safe to have In the garden.

#### HANDY HOPPER FOR POULTRY

Implement May Be Made of Galvanized-Iron or Wood, and Preventa Waste of Feed.

A handsome hopper for preventing hens from wasting their food may be made of galvanized from or wood, as shown in the illustration. The hop-



Poultry Hopper,

per proper is hung about the lower box which may be emptied back into the hopper when desired.

Sprinkle Incubator Eggs. One of the experiment stations has found that by sprinkling eggs during better care of them than of any other sprinkled from the third day on gave. crease the hatch as much as sprinkling. It was also found that while HANDY FOR POULTRY RAISERS It is case to develop chick shelled, dark, Brahma uggs, it is very difficult to get a good hatch.

> No Sentiment In Hen. There is no sentiment in a hen. Her only object in life is to get enough to eat. If she is given that and a warm, well-ventilated house to sleep in atnight, a dry, sheltered place in winter, she will do the rest.

Watch the hens for superfluors fat.

profits. Be generous with fresh air and wa-

ter and sunshine. Lettuce is particularly well liked by chicks because of its tenderness.

It is easier to keep the benn' quartern clean than it is to fight disease. If cabbage is fed in too large quantities, the eggs may pariate of its

Don't put off buying your breading stock for the ponitry yard till ucct forming. apring.

Green food is one of the essentials for healthy fowls and for satisfactory one production.

Have the ben yard border on the garden, so that the vegetables can be enally-transferred The fact of the business is, the

One of the best and most relished average farm flock produces about 180 The problem of getting green food

Once a month paint the roosts with

Provide plenty of dry earth and The busy hen in the scratching shed

is the one that drops the eggs in your market basket during the winter months when eags are highest. Place a shallow pan with a little

TAKING CHANGES OTHERWISE.



Hoax-He is exceedingly Ill, but he in still holding his own, Joax-He has to. There are two doctors with him all the time.

"A woman's convention, eh? What do women know about enthusiasm? Now at the last national convention we men obsered our candidate for an hour.'

"That's all right," said his wife. "We throw kisses at ours for staryseven minutes by the clock,"-Louisville Courier-Journal.

Man and Meter Both Unique. A Kansas City man notified the gas company that his meter was running slow. Greater honesty hath no man

HREE hours after the first dose.

That's all the time it takes for Oxidine to "get busy" with a tor-pid liver, sluggish bowels and kidneys and a weak stomach.

Tones and strengthens vital organs.

Try just one bottle of

#### OXIDINE

-a bottle proves.

The Specific for Maleria, Chills and ever and a reliable remedy for all diseases due to discretets of liver, stomach, bowels and kidneys.

80c. At Your Drugglets THE DEVENUE OF THE OWNER OWN

# MILLIONS of FAMILIES are using SYRUP of FIGS and

FOR COLDS AND HEADACHES, INDIGESTION AND SOUR STOMACH, GAS AND PERMENTATION CONSTIPATION AND BILIOUSNESS WITH MOST SATISFACTORY RESULTS.

### IN THE CIRCLE ON EVERY PACKAGE OF THE GENUINE

THE WONDERFUL POPULARITY OF THE GENUINE SYRUP OF FIGS AND ELIXIR OF SERVA HAS LED UNSCRUPULOUS MANUFACTURERS TO OFFER IMITATIONS, IN ORDER TO MAKE A LARGER PROFIT AT THE EXPENSE OF THEIR CUSTOMERS. IF A DEALER ASKS WHICH SEZE YOU WISH. OR WHAT MAKE YOU WISH, WHEN YOU ASK FOR SYRUP OF FIGS AND ELIKIR OF SENNA, HE IS PREPAR-ING. TO DECEIVE YOU TELL HIM THAT YOU WISH THE GENCINE MANUFACTURED BY THE CALIFORNIA FIG SYRUP CO ALL RELIABLE DRUGGETS KNOW THAT THERE IS BUT ONE GENUINE AND THAT IT IS MANU-

#### FACTURED BY THE CALIFORNIA FIG. SYRUP CO ONLY NOTE THE NAME

CALIFORNIA FIG SYRUP CO PRINTED STRAIGHT ACROSS NEAR THE BOTTOM, AND IN THE CIRCLE, NEAR THE TOP OF EVERY PACKAGE, OF THE GENUIRE ONE SIZE ONLY, FOR BALE BY ALL LEADING

OF PACKAGE DRUGGISTS REGULAR PRICE SON PER BOTTLE.

DULITORISTA PIG SCRUP CO

SYRUP OF FICE AND ELIXIR OF SERVIA IS ESPECIALLY ADAPTED TO THE MEDS OF LADIES AND CHILDREN AS IT IS MILD AND FLEASANT GERTLE AND EFFECTIVE, AND ASSOLUTELY FREE PROSS OBJECTIONABLE ENCREDIENTS. IT IS EQUALLY SEMEPICIAL FOR WOMEN AND FOR MEN. YOUNG AND OLD. FOR SALE BY ALL LEADING DRUGGETS.

## IFORNIA FIG SYRUP CO

"And Again, My Brethren." A certain small girl, wearlly listening to a long sermon by a renowned cleric who had an odd habit of drawing in his breath with a carlous whistie, whispered to her mother that she FINEST QUALITY wanted to go home. The mother, expacifing the discourse to end momento-the tarily, refused permission. The third time this happened the mother murmured in the child's ear that the preacher would soon stop now. But the child, nervous and despairing, answered her in a high falsetto:

"No, mother, he is not going to stop. I thought so now for three lmes, but he has gone and browed himself up ngain)"

The annual per capita fire waste in The poultry husiness is not all the United States it amounts to \$2.51.

> The man who hides his light under bushel is sometimes surprised to find that the sun still shines.

PILES CURED IN S TO 14 DAYS Four orangest will refund money if PANO of MART falls in ours any case of lighing. It Bleeding or Protruiting Piles in a to 18 days. the

The trouble with a good bit of reform is that it is hadly in need of re-

Tell the dealer you want a Lewis' Single Binder straight de super-

The only time some people worry is when they worry other people.

# L. Shoe Polishes



dist/e writes the only lader shortage positively annualise of a Backe and another and shows and show the state of the stat s dealer does not keep the kind you want his address and the price in stamps for

WHITTEMORE BROS. & CO., 20-29 Albany St., Cambridge, Mass. The Utlest and Largest Manufacturers of Show Polishes in the World.

#### READERS-

of this paper desiring to buy any-thing advertised in its columns should mulat upon having what they ask for, refusing all substitutes or imitations.

#### Women's Secrets

There is one man in the United States who has perhaps heard. There is one man in the United States who has perhaps heard, more women's secrets than any other man or women in the country. These scorets are not secrets of guilt or shame, but the secrets of suffering, and they have been confided to Dr. 2.

H. V. Pierce in the hope and expectation of advice and help.

That law of these women have been disappointed in their expectations is proved by the fact that ninety-eight per cent, of all women treated by Dr. Pierce have been absolutely and altogether cured. Such a record would be remarkable if the acceptance of the secret would be remarkable if the cases treated were numbered by hundreds only. But when that record applies to the treatment of more than hall-a-mil-lion women in a practice of over 40 years, it is phenomenal, and catities Dr. Pierca to the gratitude accorded him by women, as the first of



specialists in the treatment of women's discuss.

Every sink women may consult Dr. Pierce by letter, sheolutely without charge. All replies are mailed, sealed in periodicy plain envelopes, without any printing or advertising whatever, upon them. Write without fear as without fee, to World's Dispunsary Medical Association, Dr. R. V. Pierce, Prest, Bullelo, N. V.

DR. PIERCE'S PAVORITE PRESCRIPTION Makes West Women Strong







Sick Women Well-



Excellent Potato Field in Semi-Arid Region.

its escape through evaporation by ob- those understanding its management structing this process at the soil sur and culture, face. Surface tillage that forms a which point it is evaporated into the prospects for fair returns. air, is accomplished by means of a otherwise might escape into the air is kept in the soll where it can be used by the seed in hastening germinstion and in supplying water to the growing plant. Cultivation not only alds in conserving this moisture by preventing its evaporation, but it also prevents a broken surface which catches the rain and snow, it performs the double service of both gathering and retaining the rainfall. If we

#### SHELTER BELTS ARE USEFUL

vation must be given more careful at-

Do Much to Prevent Soil Blowing Because They Interfere With Movement of Wind Near Burface.

In dry farming areas many farmers are troubled with soil blowing. sometimes to the extent of losing their entire crop. In many sections water comes within six feet of the surface so that the roots of most crops can reach moisture. While there is a scarcity of water, it seems almost necessary to follow dry farming methods to be successful. In areas where soil blowing occurs various methods might be followed to mitigate the bad effects. But it is

altogether. Shelter belts do much to prevent soil blowing because they interfere with the movement of the wind near as well as upon the quanty of the the surface of the ground. Walle it milk. yequires time for shelter belts to develop it is possible to get the same effect by plowing small fields and leav. best change to grow from the time it ing the surface somewhat rough. It is born. has been found that sandy solls blow amount of organic matter. The prac- mon cowatice is followed in some sections after at two or three rod intervals across the field. These counteract the move | them as to the buyer. ment of the air near the surface and will do much to catch drifting soil and thighs of the cow and cutting of and prevent more from starting. It is the switch just below the hone it will also a good plan to grow a border of be easier to keep her elean; corn rather thickly and lot it stand. It will act as a grove or hedge and out the country that are not kept in will prevent, in a measure, soil blow- the best surroundings. The harn is

form or another consists of preventing | corn will grow and is a good crop for

If the sod has been prepared as for dust mulch is the most practicable corn and properly handled later by means of doing this. This movement giving a light disking and harrowing. of soil meisture to the surface, from winter wheat may be seeded with fair

After the sod crop the sod is backphysical law called capillarity. The set. On the "hard" lands this should disturbing of the soil at the surface | be done deeply, 8 to 10 inches or more breaks up the capillary connection and for best results. The plow is then stops evaporation to a large extent followed the same half day with the will give better returns in money. Hence, the value of surface cultiva-tion. Numerous tests have shown used vigorously enough to compact that frequent cultivation of the soil the soil, destroy all large open spaces that frequent cultivation of the soil the soil, destroy all large open spaces the large of them then of any other springled from the lived day on wave in summer will prevent the evapora- and reduce any lumps or sod chunks. tion of from seven to ten inches of The harrow will pulverise the surface. water where the rainfall is not over After this treatment the soil is ready thirteen inches. Thus, moisture that (if sufficiently moist) for adapted crops. One of the largest Items of



Dry shocked aweet corn is a good fired for dairy cown, In the dairy herd it pays to milk a

laby cow not a bact-animal. The dairy cow never tires of sllage, Palatability is one of its strong points, ber of cartons one desires to carry. Comfort is necessary for the cow if ; one would have her give the best re-

CUTES. The cow that is poorly fed and abused can never do her ancestry justice. The dairy opw is an economical user

of grains, hays, root crops, forage crops and pasture. A wooden pall should never be used as a milk pall. It is impossible to keep it as clean as it rught to be. Never be etingy to the use of bed-

almost impossible to eliminate them and improves the condition of the land. The amount of butter-fat a cow produces depends on the amount of rolls

The calf that is expected to develop into a profitable cow most have the

Many a common furcier who does more easily than heavier soils and not appreciate the possibilities of those that contain a considerable dairy cows is satisfied with just com-

Some farmers stand in their own seeding the crop, to plow a forrow light by selling off the thrifty young stock that is worth just as much to By ellipping the unit from the finnits

> There are many separators throughnot always the most suitable pince.

